

ABTRACT OF THE DISCLOSURE:

[0045] In apparatus and method for detecting a traffic lane mark for an automotive vehicle, a plurality of traffic lane detection windows are set in a manner for the traffic lane to be included in each traffic lane detection window from an image data photographed by a photograph device, the traffic lane mark is detected from a luminous intensity information within each traffic lane detection window of each coordinate point, a plurality of noise detection windows are set at positions which abut the respective traffic lane detection windows, an edge intensity within each noise detection window is detected; a weight value to a predetermined number of the traffic lane detection windows is modified in accordance with the edge intensity in the noise detection window; and a road contour is calculated using the traffic lane detected at the window internal traffic lane detecting and the modified weight value.

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